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插值《雅码三位小概》
     \frac{1. |b| |x| = (x-2)(x-3)}{(x-2)(x-3)} = \frac{12(x-2)(x-3)}{(x-3)}
                    \frac{7}{27} \times (2-3) = -\frac{3}{2} (x+1) (x-3)
     12(x)= 6(x) f(x0) + 6(x) f(x1) + 62(x) f(x2) = 4 (x-2)(x-3) - 3 (x+1) (x-3) + 7 (x+1)(x-2) -
   L2(0) = L
     [2|X)= (X+2)(X-2) = = = (X+2)(X-2)
     L_{2}(x) = -\frac{1}{4}(x+x)(x-y) + \frac{1}{7}(x+x)(x-y) - l_{2}(-1,2) = \frac{01}{17} = 0.509
                                    - '三 - 支 x (x-支)(x-1)
                  (x+1)(x-x)(x-1) = 2(x+1)(x-x)(x-1)
                                         = - 3 (X+1) X (X-1)
    L_{2}(x) = --x(x-\frac{1}{2})(x-1)-(x+1)(x-\frac{1}{2})(x-1)+x(x+1)(x-\frac{1}{2}).
                \frac{\chi(x-2)(x-3)}{\chi(x-2)(x-3)} = -\frac{12}{1} \times (x-2)(x-3) - \frac{(x+1)(x-2)(x-3)}{(x+1)(x-2)(x-3)} = \frac{1}{1} (x+1)(x-2)(x-3)
    L_{X}(x) = \frac{1}{(2+1)} \times \frac{(x-3)}{(2-3)} = -\frac{1}{2} (x+1) \times (x-3)
                                                          (2X)= (X+1) X (X-2) - [- (X+1) X (X-2).
   L3(x) = · - = x (x-2) (x-3) + - = x (x+1)(x-3) + = x (x+1)(x-2)
4. 核凝了. M2.?
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121) = 760 (X-121) - (K)=
                            \frac{(x-31)(x-100)}{(124-3)(121-100)} = \frac{1}{240}(x-31)(x-100) \stackrel{?}{L_{2}(x)} = \frac{9}{760}(x-100)(x-121) + \frac{-6}{389}(x-31)(x-121)
                                                                                         L2 (1D5) = 10:248
                                      (x-81) (x-/00)
                                                           [X-81)(X-121)
                                                                                                                                                       四十分(1)(1) + (6.35 ×64), 2.33×64)(区间写久3
                                                                                                      xe (81,121)
       风 R1(10) C (-2,032 1/0-4, -7,456 1/0-4) 家际误差: -1,049 1/0-7 在误差异中
   6、差到表如下:
                                           +[X0,X1] = - 3
N2 3. 7. FIX, X2]= 2 - + IX, X1 R2]= 1 3
x3.4 3.+[x2, x3] = -2.+[x1, x2, x3] = 0-2. +[x0, x1, x2, x3] = 15
  N3(X) = 300 -- 3 (X+1) + 3 (X+1)(X-2) + 15 (X+1)(X-3)
  N3 (1.2) = 2.050
7. W=(x)=1+z(x-4)+(x-1)(x-4)-(x-1)(x-3)(x-4)
                                                                          + [1, 2, 4] - + [1, 3, 4]
      + [1,2,3,4] =
             (多十亿2,3,4)=0
  8. 取插值主.(a.f(a)), (b.f(b)) 设步(为 L=b-a.
   P(x) = f''(x) = f''
              12.101ミナ、10-012 = 12 = 10-5 将ん500394.
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= -7029 + [2". 2" ... 2] = 97=1
 9. + D°, 2'] = fizi-
10, So(x) = x-1.1 ×2.12+ x-1.05 x1-20, x6 (1.05 = 1.10) f(1.075) = 2:16.
           | S, |x|= | X-1.15 | X-1.10 | X-1.10 | XE (1.10 1.15)
              o frol.
        1. fi) f [0,1] = fi)-fi01
         \int f(u) + f(u) = f(u) + f(u) = f(u)
      H_{Z}(X) = f(0) + [f(1) - f(0)]X + [f(1) - f(1)] + f(0)) QX(X-1)

P_{Z}(X) = \frac{f(0)}{2!} + \frac{f(0
                                                                  十江3]=上
                                                          f(3,5]=7: f[3,5,5]=1
         H=x1= + + 5 (x-3) + (x-3) (x-+): H2(3.7)= ++ +x0.7 +0.7 x-23=6.89.
                                             +(3/3)
27 (X-3)(X-+)2.
                             fin fien = fur-flo)
                                                                                                                                           + [1,3,3] = 2+13)-+13)+f(1).
       HZ(X)=for+for1) X+fo,1,3) x(X1)+fo,1,3) x(X1)+for(X-3)
      アラ(X)= f43(3) (X-1)(X-3)2
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 $\frac{1}{1+2(x)} = \frac{1}{1+(-0.2+)} \times + 0.14 + x(x-1)(x-3)$ $\frac{1}{1+2(x)} = \frac{1}{1+(-0.2+)} \times (x-1)(x-3)^{2}$ $\frac{1}{1+2(x)} = \frac{1}{1+2(x)} \times (x-1)(x-3)^{2}$ $\frac{1}{1+2(x)} = \frac{1}{1+2(x)} \times (x-1)(x-3)^{2}$

1 1.5 +21,13=.00=

7 1 filizz = :05 + 11,1,2] = 0

 $\frac{1}{2} + \frac{1}{12} + \frac{1}{12} = -1 + \frac{1}{12} + \frac{1}{12} = -1 + \frac{1}{12} + \frac{1}{12} = -1 + \frac$

 $H_{A(X)} = 0.15 + 0.15 (X-1)A - 1.15 (X-1)^{2}(X-2) + 4 (X-1)^{2}(X-2)^{2}$ = 4 $D_{A(X)} = \frac{4C^{3}(S)}{1} (X-1)^{2} (X-2)^{3}.$

16. $h_0 = 1$ $h_1 = 2$ $h_2 = 1$ $\{\lambda_1 = \frac{7}{2}, \lambda_2 = \frac{1}{2}, \lambda_2 = \frac{1}{2}, \lambda_3 = \frac{1}{2}, \lambda_4 = \frac{1}{2}, \lambda_5 = \frac{1}{2},$

功Mo=Ma=○的边界条件得

12 - (-3(x+x)3 + 4(x+1) + 5(x+2). Xt(-4,-1).

9(x)=) = X - X + 1/2 X - X = (-1) | - X = (1) | - X =

S(0)=4.

do= 6 f [xo, xo, xi]=-24. di=6f[-1,0,1]=0 dz=6f[0,1,3]=23 dz=6f[1,3.3]=49.5 1的公文(过于够被,船的). S(X)=